

# Datasheet



Mouse mAb to **CD99**  
Clone **EBS-CD-044**  
Isotype **IgM-κ**

## Source

A BALB/c mouse was immunized with purified E-rosette forming cells from human PBL.

## Specifications

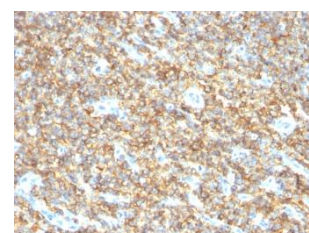
EBS-CD-044 reacts with CD99 or MIC2. Human thymocytes, PBLs and some T-ALL isolates and cell lines are positive. It is also present on pancreas and on Ewing sarcoma, which forms the practical application of the antibody. It is involved in T-cell adhesion processes and in spontaneous rosette formation with erythrocytes.

## Species reactivity

Positive: Human, Rat

## Applications

Immunohistochemistry on frozen sections and paraffin sections. Flow cytometry, immunofluorescence and western blotting used to identify Ewing sarcoma in tissue sections.



**Figure 1:** Ewing sarcoma stained with EBS-CD-044 (paraffin).

Flow cytometry	Frozen sections	Immunofluorescence	Paraffin sections	Western blot
+	+	+	Citrate	+

## Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02% sodium azide.

Stored at 4°C-8°C, shelf life is at least 24 months after purchase.

## Dilution advice

- Flow cytometry (1-2 µg/million cells in 0,1 ml, fix cells in 4% PFA for 10 min, at 4°C, permeabilize with 0,02% saponin or digitonin for 15 min, at 4°C).
- Immunoblotting (1-2 µg/ml).
- Immunofluorescence (1-2 µg/ml).
- Immunohistology (formalin-fixed: 2-4 µg/ml for 30 min at RT; staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6,0, for 10-20 min followed by cooling at RT for 20 minutes).

## Positive control

Pancreas, thymus, Ewing sarcoma.

## References

- Rajasekariah et al. in: Leukocyte Typing III A. McMichael (ed), Oxford University Press, Oxford (1987).
- Sandrin et al. Immunogenetics 35: 283-28 (1992).